PROGRAMMABLE POWER SUPPLY

EAN CODE : 3760244880062

POWERFUL **ALR3220**

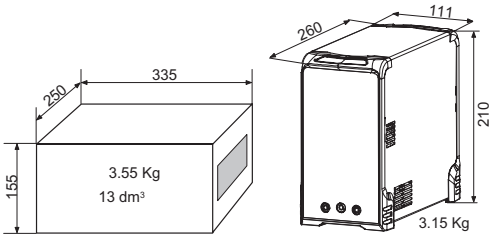
1 output
Powerfull

VISUAL : Large graphic display
SOFT-TOUCH : Sensitiv keypad
CONNECTED : USB, RS232, RS485 & 0-10V isolated
LabVIEW as a standard
PERFORMANCE : output in the rear-panel,used for remote-sensing
FUNCTIONS : square, positive and negative ramp,
rise or fall time
ELEGANT : New design and feathery
SPACE-SAVING : vertical & COMPACT BOX / 640W
PRACTICAL : Lightweight with built-in handle and cord
storage area.
QUIET : Silent temperature-controlled fan cooling.
LOCKING : configuration & stand-by

640 WATTS
0 - 32V 0 - 20A

LabVIEW

ULTRA-COMPACT



Specifications

Voltage
- Floating outputs : on 4mm safety terminals in the front-panel, and on screw terminal block for 2.5mm² on the rear-panel.
- Automatic constant voltage operation.
- Adjustable from 0 to 32.00 Volts (0 to ±10mV) ; resolution : 10mV.
- Setting accuracy : < 0,03% that to say ±10 mV.
- Regulation : < 50mV for a load change from 10 to 90%.
  < 1mV for a ±10% line change.
- Ripple : < 1mV rms including :
  < 3 mV peak to peak of noise (BP 20 MHz)
  < 15mV peak to peak of switching spikes
- Internal resistance : < 4mΩ.
- Display : 4 digits on graphic LCD.
- Accuracy measurement : < 0,03% that to say ±10 mV.

Current
- Automatic constant current operation.
- Adjustable from 0 to 20.00 Amps ; resolution : 10mA.
- Setting accuracy : < 0,05% that to say ±10 mA.
- Regulation : < 10mA for a load charge from 10 to 90%.
  < 1mA for a ±10% line charge.
- Ondulation : < 6mA peak to peak or 2mA rms.
- Display : 4 digits on graphic LCD.
- Accuracy measurement : < 0,05% that to say ±10 mA.

Protections
- Against short-circuits, by current regulation.
- Against overtemperature by fan and thermal circuit-breaker.
- Against overcurrent on main input, by internal fuses.

Various and functions
- Dispaly : Graphic LCD 128 x 64 pixels with white backlight.
  Visualization of all parameters
  CV (Constant Voltage) mode or CC (Constant Current)
- Memories : 16 including 15 configurable.
- OVP/OCP : Against overvoltage and overcurrent, adjustable from 0 to maxi.
- Functions : 6 available on U or I
  (Arbitrary, square, rising and falling periodically ramp, rise or fall time single shot).
  Time adjustement from 10ms to 60mn.
- Remote sensing : automatic function on the front side output.
  4 wires mode on the back-side's terminal blocks.
  Correction of the voltage drop in the wires : 2V
- Standby : output, enable / disabled and standby of the power supply.

Interfaces
All the interfaces are insulated of the output (150V max).
- USB, RS232 and RS485 as a standard.
- LabVIEW's drivers as a standard.
- Controller 0 – 10V : for U and I by direct input 0 - 10V
  or potentiometer 10K or adjustable resistance 10K.
  In the back side on disconnect scribe terminal blocks.

Other specifications
- Safety : Class I, enhanced safety between mains input and outputs.
  Complies with EN 61010-1, CAT II.
- CEM : Complies with EN 61326-1 and EN 55011.
- Input voltage : 220 - 240 Volts ±10%, 50 / 60Hz.
- Mains input : Socket CE14 with C13, 2 poles + earth cable removable
- Power consumption : 770W maxi.
- Efficiency : > 84% of the maxi powerful.
- Operating temperature : +5 to +40°C.
- Coefficient of temperature /°C : 0.01% for the voltage ; 0.05% for the current.
- Voltage on the earth : 100V Max.
- Presentation : Front-panel with sensitiv keypad, rear-panel with handle and cord storage area, metallic case with epoxy finish.